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# PATENT ABSTRACTS OF JAPAN

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(54) **COLLISION AVOIDANCE CSMA/CD TYPE LOCAL AREA NETWORK**

(57) Abstract:

PURPOSE: To implement data transmission control in response to the degree of collision without stopping data transmission in all network definitely when data collision takes place in the CSMA/CD type local area network.

CONSTITUTION: When, for example, a line concentrator 2 receives a data from a MAU 4 while receiving a data from a host line concentrator 1, the line concentrator 2 sends the data from the host line concentrator 1 to connected MAUs 4, 5. Moreover, when the line concentrator 2 receives a data from the MAU 5 while receiving a data from the MAU 4, the line concentrator 2 sends the first-come data to all MAUs and the host line concentrator 1. Furthermore, when the MAU 4 receives data simultaneously from the line concentrator 2 and the terminal equipment 8 and the data from the line concentrator 2 is not a jam signal, the line con-
centrator 2 sends a data reception command signal to the terminal equipment 8. Moreover, when the terminal equipment 8 receives the data reception command signal from the MAU 4 while sending a data, the terminal equipment 8 stops data transmission and receives the data.